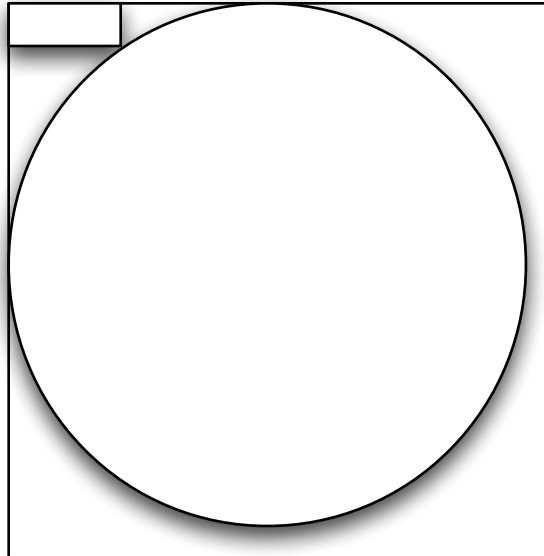
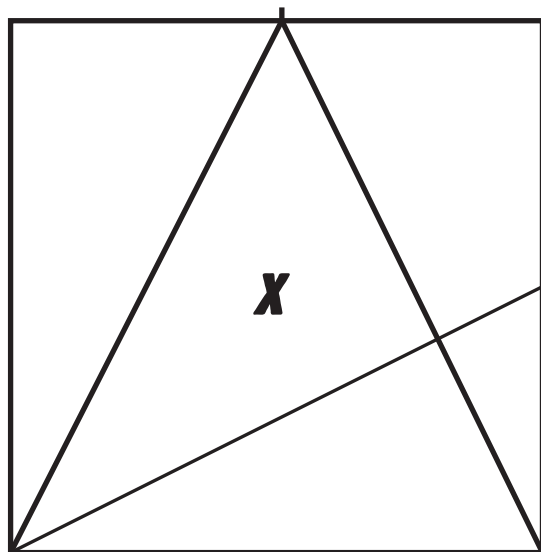


1. Compute the area of a triangle with vertices at $(2, 6)$, $(6, 3)$, and $(10, 11)$.
2. The rectangle in the figure has dimensions 1 and 8. What is the area of the circle?

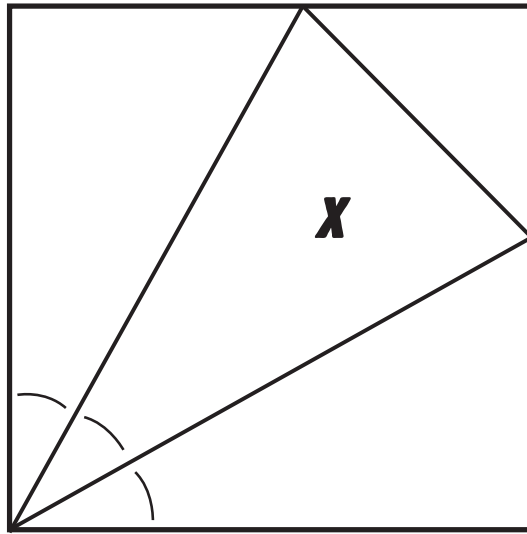


3. Compute the area of a regular tetrahedron of size 1.
- 4, 5, 6. For the next three problems, compute x .¹



¹ source: ARML 2008 Homework 1, Andy Niedermaier

5.



6.

